: SADDLE FITTING, AFT (OUTBOARD/INBOARD)

Date

Thursday, 3/23/2006 3:52:01 PM

Uses

Kim Johnston

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number**

: 26362

P.O. Number

: 10533

This Issue

Prsht Rev.

First Issue

Written By

Comment

Previous Run

: NIA

: 3/23/2006

: NC

: 3/23/2006 : 25998

S.O. No. : N/A

: MACHINED PARTS Type

As Per RevE 06-01-27

Part Number

Drawing Name

: D2573

Drawing Number

: D2573 REV E : N/A

Project Number Drawing Revision

: E :N/A

Material **Due Date**

: 4/10/2006

Qty:

Um:

Each

Additional Product

Checked & Approved By

Job Number:



Seq. #:

1.0

Machine Or Operation:

Description:

7075-T7351 8.25X7.75X2.5



Total: 6.0000 Each(s)

7075-T7351 8.25X7.75X2.5

Make from D6101-007 billet for D2573 Ensure that grain is along 7.75" length

1.0000 Each(s)/Unit

Batch No: 1324893

2.0

HAAS1

D6101007

Comment: Qty.:

Comment: HAAS CNC VERTICAL MACHINING #1 Program Batch No. <u>B2682</u> Double check by: <u>J.L</u>

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets 2-Machine Step No 2 per

Folio FA051 and inspect per attached Dimension Sheets

3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets

4-Deburr and remove all machining marks

5-Tumble to remove sharp edges.

06/03/30

3.0

MILLING CONV

CONVENTIONAL MILLING MACHINE



Comment: CONVENTIONAL MILLING MACHINE

Machine keyway as per dwg D2573 & D2574

Fr n6/04/01

4.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

06/03/30

Page 1

Dart Aerospace Ltd

W/O:		WORK ORDER CH	ANGES				
DATE STE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C C	losed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	Annroyal	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector				
06.03.31	4	Flunge height is 0.225" (dim 'R') . 0.015" below tolerunce	651 015 661 64	see e-mail attached	PH 861	424.03		06.04.03				

NOTE: Date & initial all entries

Thursday, 3/23/2006 3:52:01 PM Date: -User: Kim Johnston **Process Sheet** Drawing Name: SADDLE FITTING, AFT (OUTBOARD/INBOARD) Customer: CU-DAR001 Dart Helicopters Services Job Number: 26362 Part Number: D2573 Job Number: Description: Seq. #: **Machine Or Operation:** SECOND CHECK QC8 5.0 Comment: SECOND CHECK 6.0 HAND FINISHING1 HAND FINISHING RESOURCE #1 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.1 7.0 POWDER COATING POWDER COATING Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 8.0 QC3 Comment: INSPECT POWDER COAT PACKAGING RESOURCE PACKAGING 1 9.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 5 10.0 DC Comment: DOCUMENT CONTROL Inspection Level 21 n Obedl.07 Job Completion

Dart Aerospace Ltd

		1 3s					
W/O:			WORK ORDER CHANGES				
DATE	STEP	PROC	EDURE CHANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No):	PAR #:	_ Fault Category: NC				
					I/C Closed:	Date: _	
NCR:		W	ORK ORDER NON-CONFORMANCE	E (NCF	₹)	;	
DATE	OTED	Description of NC	Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Action Description Chief Eng Chief Eng	Sign 8 Date	Section C	Chief Eng	QC Inspector
					·		
		9					
-							

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	26362
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Re	corded Acti	ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	See & - Muil	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	0.438	0.438	6.438	0.438		
В	1.745	1.755		1.748	1-748	1.746	1,745		
С	3.495	3.505		3 498	3 498	3.457	3.487		
D	1.745	1.755		1.748	1.748	1.746	1.745		
E	7.990	8.010		8.004	8.004		8-006		
F	0.490	0.510		0.500	0.501	8 006 0.498	0.499		·
G	0.257	0.262	DT8683	0.358	0.258	0.25.7	0.257		
Н	0.375	0.380	DT8684		0-376	0.375	0.375		
ı	0.490	0.510		0.508	0 - 500	0505	9505		
J	1.174	1.184		10177	1-177	1.178	1.17-2		
K	0.558	0.578		0 - 568	0.568	6.568	1.178		
L	1.174	1.184		11.177	1-177	11/78	1.178		
M	1.365	1.375		1.374	1-373	1.369	1.367		
N	2.495	2.505		1.374	2-498	2.496	2.496		
0	4.119	4.129		4.183	4 - 122	4.122	4.121		
Р	0.115	√0.135		4. 133	0-11-8	0.122	0.125		
Q	0.115	0.135		0.130	0.130	0.130	0-/30		
R	0.240	0.260			0-242	0.250	0260		
S	0.115	0.135		0-124	0.124		0.172		
Т	0.178	0.198		0.188	881.0	0.188	0.188		
U	3.210	3.250		3.230	3 330	3 737	3.230		
٧	0.230	0.250		0.234	0.241	0.241	0-240		
W	0.115	0.135		161.0	0.124	0.120	0.119	` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	
Х	0.308	0.313		116,8	0.310	0.3/0	6.310		
Υ	0.760	0.765		0.761	0.76	0.760	0.760		
Z	0.352	0.372		0.362	0 -362	0.365	0.365		, ,
AA	0.470	0.530		0.500	0.500	0 560	0-500		
AB	0.615	0.635		0 -625	0-624	0632	0.635		
AC	0.053	0.073		0.063	0.063	0.063	0.663		
AD	0.240	0.260		0 . 342	0-241	0.249	6.256		
AE	1.500	1.520		1.512	1,511	1.53	1.515		
AF	0.115	0.135		0-130	0.130	6-130	0-/30		
AG	0.240	0.280		0.360	0-260	6.260	0.760		
AH	0.240	0.260		0-240	0.a59	0.254	0.257		
Al	2.000	2.020		2.00/	2.001	€.008	2.004		
AJ	0.023	0.043		0.033	0.033	0.030	0.030		
	Acc	ept/Reje	ct						

Measured by: ゴ.ら-		Audited by	The	
Date: 06/03/3	0	Date:	06/04/02	

Rev	Date	Change	Revised by	Approved
Α		New Issue	RF	
В	02.09.26	Re-format; Added Rev. D	KJ	
С	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	1
Е	05.12.05	Added dimension AJ	KJ/JLM 🚓	Gill

ART AEROSPACE LTD escription: Saddle, Aft Outboard	Work Order:	26362
Description: Saddle, Aft Outboard	Part Number:	D2573
Inspection Dwg: D2573 Rev. E		Page 1 of 1

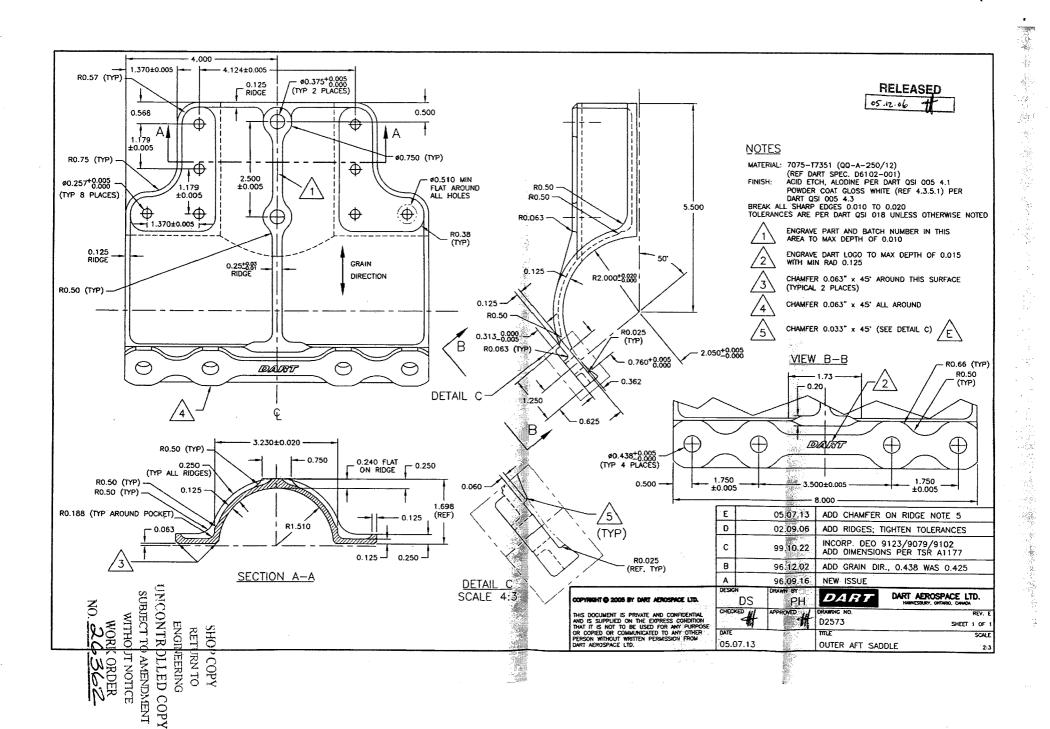
Inspect dimensions highlighted on inspection sheet drawing D2573 Rev. E and record below:

				Re	corded Actu	ıal Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1`	2	3	4	Ву	Date
Α	0.438	0.443	DT8682	0.430	6.438				
В	1.745	1.755		1.745	1.745				
С	3.495	3.505		3.497	B:457				
D	1.745	1.755		1.745	1.745				
E	7.990	8.010		8.004	8.006				
F	0.490	0.510		6.500	0.494				
G	0.257	0.262	DT8683	6.257	0.257				
Н	0.375	0.380	DT8684	0.375	0.3375				
ŀ	0.490	0.510		0503	0.566				
J	1.174	1.184		1.178	1.178				
K	0.558	0.578		0.566	1.178				
L	1.174	1.184		1.178	1.178				
М	1.365	1.375		1.370	1.389				
N	2.495	2.505		2.496	2.496				
0	4.119	4.129		4.122	4.127				
Р	0.115	0.135		0.125	0.124				
Q	0.115	0.135		0-130	0./30				
R	0.240	0.260		0.259	6.259				
S	0.115	0.135		D. 125	0.126				
Т	0.178	0.198		0.188	6.188				
ح	3.210	3.250		3.240	3.240			1.	
V	0.230	0.250		0.241	0244				
W	0.115	0.135		0.118	6.120				
Х	0.308	0.313		0.3/0	0.3/0				
Υ	0.760	0.765		0.760	0.760				
Z	0.352	0.372		0.365	0.363				
AA	0.470	0.530		0500	0.500				_ .
AB	0.615	0.635		0.635	0.635				
AC	0.053	0.073		0063	0.063				
AD	0.240	0.260		6.253	8.255				
AE	1.500	1.520		1.514	1.5-11				
AF	0.115	0.135		0./30	0-130				
AG	0.240	0.280		0.260	0.260				
AH	0.240	0.260		0. R58	0.260				
AI	2.000	2.020		2.003	2.001				
AJ	0.023	0.043		6.030	0.038				
	Acc	ept/Reje	ct	1.					

Measured by:	CP	Audited by	24
Date:	06/04/01	Date:	01-104/02

Date	Change	Revised by	Approved
	New Issue	RF	•
02.09.26	Re-format; Added Rev. D	KJ	
02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
05.05.05	Added dimension Al	KJ/RF	-1
05.12.05	Added dimension AJ	KJ/JLM	
	02.09.26 02.10.11 05.05.05	New Issue 02.09.26 Re-format; Added Rev. D 02.10.11 Re-format; Added DT8682, DT8683, DT8684 05.05.05 Added dimension Al	New Issue RF 02.09.26 Re-format; Added Rev. D KJ 02.10.11 Re-format; Added DT8682, DT8683, DT8684 KJ 05.05.05 Added dimension Al KJ/RF

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Peter Hum

> Phone...613-632-3336
> Fax......613-632-4443

David Shepherd [davids@dartaero.com] From: Friday, March 31, 2006 1:17 PM Sent: Peter Hum To: Re: D2573 SADDLE BATCH #26362 Subject: This is an acceptable deviation. David ---- Original Message -----From: "Peter Hum" <phum@dartaero.com> To: "David Shepherd (E-mail)" <davids@dartaero.com> Sent: Friday, March 31, 2006 6:30 AM Subject: D2573 SADDLE BATCH #26362 > Hi David, > Production is making a new batch of D2573 saddles. In blending radius > together, the thickness on the lower area of the flange is 0.225" on both > flanges. The thickness is this dimension locally in this region only as > shown in the picture. The part is 0.015" below the lower tolerance limit. > Is this an acceptable deviation? > This occurs only on the 1st article, the rest of the batch is at the nominal > dimension > Peter Hum > Mechanical Designer > DART Aerospace Ltd. > Email...phum@dartaero.com

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